

Minarets FFA Barbeque

OVERVIEW

You are to design an beautiful, functioning, and totally custom trailer BBQ for Minarets FFA.

CONSTRAINTS

The cooking tub must be made of 1/8" steel plate, be 4'x6' on the base, have 21" tall sides with a 2" overhang and 1' drop. It will be a single axle trailer with a custom sign on the top of the crossbar.

PARTS OF PROJECT

Concepts Keynote
Rough SketchUp Model
Final SketchUp Model

LIST OF PART BREAKDOWN

Concepts Keynote (25pts)

Your concepts keynote needs to explore a variety of trailer designs to inspire you in your design. Showcase at least three different trailer models and critique the elements you do and do not like about each one. That will take three slides. Also, research two different ways in which you can lift and hold the grill. Highlight those with photos and write a review of each as well. Two slides.

Rough SketchUp Model (50pts)

This is the model you did from the rough sketch done by Jim Benton. You will have to use that document to expand on those rough ideas for this BBQ. It is not so much about result, but effort.

Final SketchUp Model (75pts)

This model will be a refined version of your first model. It will have the exact dimensions mentioned above, a lifting and locking mechanism, an axle, tongue, cross bar, and custom sign for the top of the trailer that says Minarets FFA. You might also think about custom features such as severing racks, hangers, signage, etc to make your trailer stand out from the rest.



